JOURNAL OF MICROGRAPHICS **Index** TO VOLUME 15, 1982

Author Index

Airhart, T.E., V15, N8:24
Anderson, C.J., V15, N3:28
Andrade, P.L., V15, N4:60
ARMA, V15, N12:18
Baker, G.G., V15, N8:36
Ballou, H.W., V15, N6:11; N10:52
Barrett, R., V15, N1:22
Bogue, D.T., V15, N1:10; N4:53; N11:11
Braude, M., V15, N8:19; N10:12; N12:12
Brody, H., V15, N1:33
Burch, B.M., V15, N10:47
Burger, R.J., V15, N4:16
Chervinko, J.S., V15, N12:30
Cohen, H.J., V15, N4:4
Corey, H.S., V15, N9:30
Costigan, D.M., V15, N4:16
Crosby, V15. N3:16
Davison, O.H., V15, N5:18
Doherty, J.X., V15, N11:38
Donaldson, R.C., V15, N2:20
Duncan, T.V., V15, N10:52
Dupuis, E., V15, N3:4
Feinschreiber, R., V15, N2:32; N10:44
Fisher, M., V15, N9:20; N12:12
Fitzgerald, N., V15, N1:4
Flinchbaugh, D.E., V15, N12:12
Foley, W.E., V15, N6:4
Forster, V15, N3:16
Frey, H.C., V15, N2:12
Fromm, H.J., V15, N9:36
Gidders, D.M., V15, N7:28
Goebel, J., V15, N3:4
Goldberg, L., V15, N8:10
Gray, E., V15, N10:37
Griffiths, B.F., V15, N2:27
Grimm, D., V15, N1:30; N10:12
Gring, I.H., V15, N6:26; N11:11
Harpster, H., V15, N11:36
Hopkins, W.L., V15, N10:17
Horowitz, P., V15, N3:12
Hynes, C.J., V15, N8:38
Kalthoff, R.J., V15, N5:12; N11:40
Kimmel, R.M., V15, N12:33
Kissner, J., V15, N5:23
Klunder, F., V15, N6:33
Kudla, D.M., V15, N9:30
Libby, W.H., V15, N4:25; N11:11
Linden, A.S., V15, N6:14
Luke, J.P., V15, N5:15
Mantel, E., V15, N5:27
McAllister, P.A., V15, N4:4
McGlone, W.J., V15, N8:16
Merali, Z., V15, N6:18
Meyer, E.T., V15, N7:24
Middleton, N.H., V15, N11:14
Miller, J.F., V15, N9:23; N12:24
Milligan, S., V15, N2:4
Morgan, D.F., V15, N7:31
Munday, R.F., V15, N3:26
Munro, K.G., V15, N1:5; N2:10; N3:14; N4:15; N5:14; N6:16; N7:12; N8:14; N9:14; N10:14, N11:13; N12:13
Neary, D.R., V15, N9:15
Nottage, M.A., V15, N9:30
Ocon, R.A., V15, N4:30
Perrin, V15, N3:16
Rothbart, M., V15, N4:4
Shepard, J.W., V15, N5:36
Slotnick, B.M., V15, N1:4
Spencer, J.R., V15, N7:35
Sudderth, N., V15, N4:47
Sunder, D.M. V15, N12:12
Symon, J., V15, N11:20
Tanasescu, L., V15, N1:27
Terry, B.J., V15, N4:4
Thomas, O.F., V15, N1:4
Towers, V15, N3:16
Trippe, S.R., V15, N8:34
Vaiana, P., V15, N12:14
Vater, B.B., V15, N1:4
Virnich, S.J., V15, N11:30
Walter, G.O., V15, N1:12; N5:30; N8:36; N10:25
Wassell, J.L., V15, N7:14
Wilkins, K.L., V15, N3:22
Williams, R.F., V15, N6:11
Zagami, R.W., V15, N11:26

Title Index

Administrative Office of the United States Courts, Elimination of Legal Size Paper, *W.E. Foley,* Vol. 15, N6:4
Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36
Advantages of a Micrographics Service Bureau for Engineering Documents, *J.X. Doherty,* Vol. 15, N11:38
An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12
American Work, Productivity and Hope for the Future, *M. Braude,* Vol. 15, N8:19
Automated Engineering Drawing Retrieval System at Westinghouse LRA, *N.H. Middleton,* Vol. 15, N11:14
Automation Increases Productivity for Print and Drafting Room Operations, *S.J. Virnich,* Vol. 15, N11:30
Banking on Micrographics, *P.L. Andrade,* V15, N4:60
Book Review—The Automated Office: An Introduction to the Technology, by William Saffady, *P. Horowitz,* Vol. 15, N3:12
Book Review—Developing Microform Reading Facilities, by Richard W. Boss and Deborah Raikes, *H.W. Ballou,* Vol. 15, N10:52
Book Review—Records Management, by Mina M. Johnson and Norman F. Kallaus, *T.V. Duncan,* Vol. 15, N10:52
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *G.G. Baker,* Vol. 15, N8:36
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *R.J. Kalthoff,* Vol. 15, N11:40
Capital Comment: Bringing Back Hoover, *K.G. Munro,* Vol. 15, N7:12
_____ : Equal Access to Justice Act, *K.G. Munro,* Vol. 15, N8:14
_____ : The Flat-Rate Tax May be in Your Future, *K.G. Munro,* Vol. 15, N9:14
_____ : Making the Government Work, *K.G. Munro,* Vol. 15, N12:13
_____ : Not Business as Usual at GSA, *K.G. Munro,* Vol. 15, N2:10
_____ : OSHA's New Image, *K.G. Munro,* Vol. 15, N5:14
_____ : Prompt Payment and the Regulation Writers, *K.G. Munro,* Vol. 15, N10:14
_____ : Reducing the Paperwork Budget, *K.G. Munro,* Vol. 15, N6:16
_____ : Reforming Government Procurement, *K.G. Munro,* Vol. 15, N3:14
_____ : Regulatory Reform. . . One Year Later, *K.G. Munro,* Vol. 15, N4:15
_____ : The Small Business Administration Tries to Survive, *K.G. Munro,* Vol. 15, N11:13
_____ : Who Should Sell the Government's Information?, *K.G. Munro,* Vol. 15, N1:5
Choosing Processors and Duplicators, *D.T. Bogue,* Vol. 15, N4:53
COM as it Relates to a System, or Who Should be Responsible for COM, *D.M. Gidders,* Vol 15, N7:28
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N9:23
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N12:24
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M.A. Nottage,* Vol. 15, N9:30
Computerized Business Graphics: Prescription for Computer Output, *O.H. Davison,* Vol. 15, N5:18
Cost-Justifying Micrographics Systems, *J.R. Spencer,* Vol. 15, N7:35
Designing Micrographics Systems in Bahrain, *F. Klunder,* Vol. 15, N6:33
Developments in Optical Disk Technology and the Implications for Information Storage and Retrieval, *R. Barrett,* Vol. 15, N1:22
Dollars and Sense: An Approach to Selling Cost-Effective Records Programs to Management, *D.F. Morgan,* Vol. 15, N7:31
Edison Looks to Micrographics to Increase Efficiency, *E. Mantel,* Vol. 15, N5:27
Electronic Visuals: An Exploding Technology, *J. Kissner,* Vol. 15, N5:23
Engineering Micrographics, A Light-hearted Look at Why You Should Use Microfilm, *R.W. Zagami,* Vol. 15, N11:26
A Few Cautionary Words about Electronic Publishing, *E. Gray,* Vol. 15, N10:37
Frustration in the Workplace, Its Effect on Productivity, *Towers, Perrin, Forster* and *Crosby,* Vol. 15, N3:17

Handicapped and Elderly Citizens are Educated in the Use of Microfilm, *D. Grimm,* Vol. 15, N1:30
How Records Management Policies Affect the Use of Micrographics Technology, *B.M. Burch,* Vol. 15, N10:47
Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14
Increased Productivity Begins with Proper Document Preparation, *C.J. Anderson,* Vol. 15, N3:28
Letters to the Editor: *H.W. Ballou,* Vol. 15, N6:11
_____ : *D.T. Bogue,* Vol. 15, N11:11
_____ : *M. Braude,* Vol. 15, N10:12; N12:12
_____ : *H.J. Cohen,* Vol. 15, N4:4
_____ : *M. Fisher,* Vol. 15, N12:12
_____ : *N. Fitzgerald,* Vol. 15, N1:4
_____ : *D.E. Flinchbaugh,* Vol. 15, N12:12
_____ : *J. Goebel,* Vol. 15, N3:4
_____ : *L. Goldberg,* Vol. 15, N8:10
_____ : *D. Grimm,* Vol. 15, N10:12
_____ : *I.H. Gring,* Vol. 15, N11:11
_____ : *R.J. Kalthoff,* Vol. 15, N5:12
_____ : *W.H. Libby,* Vol. 15, N11:11
_____ : *P.A. McAllister,* Vol. 15, N4:4
_____ : *M. Rothbart,* Vol. 15, N4:4
_____ : *B.M. Slotnick,* Vol. 15, N1:4
_____ : *D.M. Sunder,* Vol. 15, N12:12
_____ : *B.J. Terry,* Vol. 15, N4:4
_____ : *O.F. Thomas,* Vol. 15, N1:4
_____ : *B.B. Vater,* Vol. 15, N1:4
_____ : *R.F. Williams,* Vol. 15, N6:11
Materials for Optical Storage: A State-of-the-Art Survey, *H. Brody,* Vol. 15, N1:33
Microfiche and Automated Indexing Applications for Regulatory Submissions to the Food and Drug Administration, *I.H. Gring,* Vol. 15, N6:28
Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27
Microform Reader System: A New Approach in Microform Reader Design, *L. Tanasescu,* Vol. 15, N1:27
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20
Micrographics Can be Vital to the Success of CAD/CAM, *W.H. Libby,* Vol. 15, N4:25
Micrographics Exports Yield Substantial Tax Savings, *R. Feinschreiber,* Vol. 15, N10:44
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17
A New Dimension for the 35-mm Aperture Card, *J.L. Symon,* Vol. 15, N11:20
New Tax Benefits for Micrographics Research and Development, *R. Feinschreiber,* Vol. 15, N2:32
NMA in St. Louis, *E.T. Meyer,* Vol. 15, N7:24
NMA Treasurer's Report, *J.P. Luke,* Vol. 15, N5:15
An NMA White Paper: Microfilm and the Law, *P. Vaiana,* Vol. 15, N12:14
Obituary—Thomas C. Brakebill, Vol. 15, N9:12
_____ Wade S. Nivison, Vol. 15, N11:11
_____ James E. Trotter, Vol. 15, N9:12
Online COM Catalog to Revolutionize Library Service and Efficiency, *J.S. Chervinko,* Vol. 15, N12:30
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47
Polyester Film, *R.M. Kimmel,* Vol. 15, N12:33
Productive CAR System Developed with Simple Programming Changes, *R.F. Munday,* Vol. 15, N3:26
Productivity and the Knowledge Worker, *T.E. Airhart,* Vol. 15, N8:24
Project ELF: The 25% Solution to Business Expenses!, *ARMA,* Vol. 15, N12:18
Records Management in 1990: One Expert's Predictions, *J.W. Shepard,* Vol. 15, N5:36
Select an Information Storage System Compatible with Future Technologies, *D.R. Neary,* Vol. 15, N9:15
Speak Out: *E. Dupuis,* Vol. 15, N3:4
_____ *S. Milligan,* Vol. 15, N2:4
_____ Laser Disk: Its influence upon the future of COM, *D.T. Bogue,* Vol. 15, N1:10
_____ Micrographics and Word Processing, *A.S. Linden,* Vol. 15, N6:14
Special Interest Report: New York City Sets Anhydrous Ammonia Regulations, *C.J. Hynes,* Vol. 15, N8:38
Standards Report: COM Moves Into Computer Rooms as More Systems Use Dry Technology, Archival Questions are Resolved, *S.R. Trippe,* Vol. 15, N8:34
Standards Report: Report of the Ottawa Meetings of ISO/TC171 Micrographics, *H.J. Fromm,* Vol. 15, N9:36
Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20
Technology Overview: Raster Image Telecommunication, *G.O. Walter,* Vol. 15, N5:30
Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25
U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22
Video Disc for the Storage of Office Documents and Engineering Graphics, *G.O. Walter,* Vol. 15, N1:12
Videomicrographics, A Positive New Trend in Online Information Retrieval, *D.M. Costigan* and *R.J. Burger,* Vol. 15, N4:16
When to go Inhouse with COM, *R.A. Ocon,* Vol. 15, N4:30
Whither The NMA in the '80s?, *W.J. McGlone,* Vol. 15, N8:16
Word Processing-Output Microform: After COM, Can Word Processor/Micro-/Mini-Computer-Output Microform Take Off?, *Z. Merali,* Vol. 15, N6:18

Subject Index

ACCEPTANCE
Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27

ACCOUNTING
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47

AMMONIA
Special Interest Report: New York City Sets Anhydrous Ammonia Regulations, *C.J. Hynes,* Vol. 15, N8:38

APERTURE CARDS
A New Dimension for the 35-mm Aperture Card, *J.L. Symon,* Vol. 15, N11:20

APPLICATIONS
Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36
Automated Engineering Drawing Retrieval System at Westinghouse LRA, *N.H. Middleton,* Vol. 15, N11:14
Automation Increases Productivity for Print and Drafting Room Operations, *S.J. Virnich,* Vol. 15, N11:30
Banking on Micrographics, *P.L. Andrade,* V15, N4:60
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N9:23
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N12:24
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M.A. Nottage,* Vol. 15, N9:30
Computerized Business Graphics: Prescription for Computer Output, *O.H. Davison,* Vol. 15, N5:18
Designing Micrographics Systems in Bahrain, *F. Klunder,* Vol. 15, N6:33
Edison Looks to Micrographics to Increase Efficiency, *E. Mantel,* Vol. 15, N5:27
Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14

Microfiche and Automated Indexing Applications for Regulatory Submissions to the Food and Drug Administration, *I.H. Gring,* Vol. 15, N6:28
Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47
Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20
U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22

ARCHIVAL QUALITY
Standards Report: COM Moves Into Computer Rooms as More Sytems Use Dry Technology, Archival Questions are Resolved, *S.R. Trippe,* Vol. 15, N8:34

ARMY
Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36
U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22

ASSOCIATIONS
NMA in St. Louis, *E.T. Meyer,* Vol. 15, N7:24
NMA Treasurer's Report, *J.P. Luke,* Vol. 15, N5:15
An NMA White Paper: Microfilm and the Law, *P. Vaiana,* Vol. 15, N12:14
Whither the NMA in the '80s?, *W.J. McGlone,* Vol. 15, N8:16

AUTOMATED OFFICE
Book Review—The Automated Office: An Introduction to the Technology, by William Saffady, *P. Horowitz,* Vol. 15, N3:12
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *G.G. Baker,* Vol. 15, N8:36
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *R.J. Kalthoff,* Vol. 15, N11:40

AUTOMATIC RETRIEVAL
Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36
Automated Engineering Drawing Retrieval System at Westinghouse LRA, *N.H. Middleton,* Vol. 15, N11:14
Select an Information Storage System Compatible with Future Technologies, *D.R. Neary,* Vol. 15, N9:15
Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20
U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22

BANKING
Banking on Micrographics, *P.L. Andrade,* Vol. 15, N4:60
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N9:23
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N12:24

BENEFITS
Advantages of a Micrographics Service Bureau for Engineering Documents, *J.X. Doherty,* Vol. 15, N11:38
Automated Engineering Drawing Retrieval System at Westinghouse LRA, *N.H. Middleton,* Vol. 15, N11:14
Banking on Micrographics, *P.L. Andrade,* Vol. 15, N4:60
Engineering Micrographics, A Light-hearted Look at Why You Should Use Microfilm, *R.W. Zagami,* Vol. 15, N11:26
Increased Productivity Begins with Proper Document Preparation, *C.J. Anderson,* Vol. 15, N3:28
Micrographics Can be Vital to the Success of CAD/CAM, *W.H. Libby,* Vol. 15, N4:25
Micrographics Exports Yield Substantial Tax Savings, *R. Feinschreiber,* Vol. 15, N10:44
A New Dimension for the 35-mm Aperture Card, *J.L. Symon,* Vol. 15, N11:20
New Tax Benefits for Micrographics Research and Development, *R. Feinschreiber,* Vol. 15, N2:32
Online COM Catalog to Revolutionize Library Service and Efficiency, *J.S. Chervinko,* Vol. 15, N12:30
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47
Productive CAR System Developed with Simple Programming Changes, *R.F. Munday,* Vol. 15, N3:26
Word Processing-Output Microform: After COM, Can Word Processor/Micro-/Mini-Computer-Output Microform Take Off?, *Z. Merali,* Vol. 15, N6:18

BUSINESS
Computerized Buisness Graphics: Prescription for Computer Output, *O.H. Davison,* Vol. 15, N5:18
Project ELF: The 25% Solution to Business Expenses!, *ARMA,* Vol. 15, N12:18

CAD/CAM
Micrographics Can be Vital to the Success of CAD/CAM, *W.H. Libby,* Vol. 15, N4:25

COMPUTER-ASSISTED RETRIEVAL (CAR)
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M.A. Nottage,* Vol. 15, N9:30
Productive CAR System Developed with Simple Programming Changes, *R.F. Munday,* Vol. 15, N3:26
Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

COM CATALOGS
Online COM Catalog to Revolutionize Library Service and Efficiency, *J.S. Chervinko,* Vol. 15, N12:30

COMPUTER-OUTPUT MICROFILM (COM)
COM as it Relates to a System, or Who Should be Responsible for COM, *D.M. Gidders,* Vol. 15, N7:28
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N9:23
COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N12:24
Computerized Business Graphics: Prescription for Computer Output, *O.H. Davison,* Vol. 15, N5:18
Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14
Speak Out: Laser Disk: its influence upon the future of COM, *D.T. Bogue,* Vol. 15, N1:10
Standards Report: COM Moves Into Computer Rooms as More Sytems Use Dry Technology, Archival Questions are Resolved, *S.R. Trippe,* Vol. 15, N8:34
When to go Inhouse with COM, *R.A. Ocon,* Vol. 15, N4:30
Word Processing-Output Microform: After COM, Can Word Processor/Micro-/Mini-Computer-Output Microform Take Off?, *Z. Merali,* Vol. 15, N6:18

COST/BENEFIT
Automation Increases Productivity for Print and Drafting Room Operations, *S.J. Virnich,* Vol. 15, N11:30
Cost-Justifying Micrographics Systems, *J.R. Spencer,* Vol. 15, N7:35
Dollars and Sense: An Approach to Selling Cost-Effective Records Programs to Mangement, *D.F. Morgan,* Vol. 15, N7:31
Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14
Project ELF: The 25% Solution to Business Expenses!, *ARMA,* Vol. 15, N12:18

DUPLICATORS
Choosing Processors and Duplicators, *D.T. Bogue,* Vol. 15, N4:53
Special Interest Report: New York City Sets Anhydrous Ammonia Regulations, *C.J. Hynes,* Vol. 15, N8:38

ECONOMIC FACTORS
Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14

EDUCATION
Handicapped and Elderly Citizens are Educated in the Use of Microfilm, *D. Grimm,* Vol. 15, N1:30

ELECTRONIC PUBLISHING
A Few Cautionary Words about Electronic Publishing, *E. Gray,* Vol. 15, N10:37

ENGINEERING
Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36
Advantages of a Micrographics Service Bureau for Engineering Documents, *J.X. Doherty,* Vol. 15, N11:38
Automated Engineering Drawing Retrieval System at Westinghouse LRA, *N.H. Middleton,* Vol. 15, N11:14
Automation Increases Productivity for Print and Drafting Room Operations, *S.J. Virnich,* Vol. 15, N11:30
Edison Looks to Micrographics to Increase Efficiency, *E. Mantel,* Vol. 15, N5:27
Engineering Micrographics, A Light-hearted Look at Why You Should Use Microfilm, *R.W. Zagami,* Vol. 15, N11:26
A New Dimension for the 35-mm Aperture Card, *J.L. Symon,* Vol. 15, N11:20

EQUIPMENT TECHNOLOGY
Choosing Processors and Duplicators, *D.T. Bogue,* Vol. 15, N4:53

FEDERAL GOVERNMENT
Administrative Office of the United States Courts, Elimination of Legal Size Paper, *W.E. Foley,* Vol. 15, N6:4

Capital Comment: Bringing Back Hoover, *K.G. Munro,* Vol. 15, N7:12
_____ Equal Access to Justice Act, *K.G. Munro,* Vol. 15, N8:14
_____ The Flat-Rate Tax May Be in Your Future, *K.G. Munro,* Vol. 15, N9:14
_____ Making the Government Work, *K.G. Munro,* Vol. 15, N12:13
_____ Not Business as Usual at GSA, *K.G. Munro,* Vol. 15, N2:10
_____ OSHA's New Image, *K.G. Munro,* Vol. 15, N5:14
_____ Prompt Payment and the Regulation Writers, *K.G. Munro,* Vol. 15, N10:14
_____ Reducing the Paperwork Budget, *K.G. Munro,* Vol. 15, N6:16
_____ Reforming Government Procurement, *K.G. Munro,* Vol. 15, N3:14
_____ Regulatory Reform . . . One Year Later, *K.G. Munro,* Vol. 15, N4:15
_____ The Small Business Administration Tries to Survive, *K.G. Munro,* Vol. 15, N11:13
_____ Who Should Sell the Government's Information?, *K.G. Munro,* Vol. 15, N1:5

FEDERAL STANDARDS
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20

FILMS
Materials for Optical Storage: A State-of-the-Art Survey, *H. Brody,* Vol. 15, N1:33
Polyester Film, *R.M. Kimmel,* Vol. 15, N12:33

FILM PROPERTIES
Polyester Film, *R.M. Kimmel,* Vol. 15, N12:33

GOVERNMENT
Designing Micrographics Systems in Bahrain, *F. Klunder,* Vol. 15, N6:33

GRAPHICS
Computerized Business Graphics: Prescription for Computer Output, *O.H. Davison,* Vol. 15, N5:18
Electronic Visuals: An Exploding Technology, *J. Kissner,* Vol. 15, N5:23
Technology Overview: Raster Image Telecommunication, *G.O. Walter,* Vol. 15, N5:30
Video Disc for the Storage of Office Documents and Engineering Graphics, *G.O. Walter,* Vol. 15, N1:12

HANDICAPPED
Handicapped and Elderly Citizens are Educated in the Use of Microfilm, *D. Grimm,* Vol. 15, N1:30

HUMAN FACTORS
Frustration in the Workplace, Its Effect on Productivity, *Towers, Perrin, Forster* and *Crosby,* Vol. 15, N3:17

IMAGE TRANSMISSION
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17
Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

IMAGING TECHNOLOGY
Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20

INDEXING
COM as it Relates to a System, or Who Should be Responsible for COM, *D.M. Gidders,* Vol. 15, N7:28
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey, and M.A. Nottage,* Vol. 15, N9:30
Microfiche and Automated Indexing Applications for Regulatory Submissions to the Food and Drug Administration, *I.H. Gring,* Vol. 15, N6:28

INFORMATION SYSTEMS
An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12
Select an Information Storage System Compatible with Future Technologies, *D.R. Neary,* Vol. 15, N9:15
Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

INHOUSE SYSTEMS
Cost-Justifying Micrographics Systems, *J.R. Spencer,* Vol. 15, N7:35
When to go Inhouse with COM, *R.A. Ocon,* Vol. 15, N4:30

INTERNATIONAL APPLICATIONS
Designing Micrographics Systems in Bahrain, *F. Klunder,* Vol. 15, N6:33

INTEGRATED SYSTEMS
An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12

LEGAL ASPECTS
Banking on Micrographics, *P.L. Andrade,* Vol. 15, N4:60
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20
Micrographics Exports Yield Substantial Tax Savings, *R. Feinschreiber,* Vol. 15, N10:44
New Tax Benefits for Micrographics Research and Development, *R. Feinschreiber,* Vol. 15, N2:32
An NMA White Paper: Microfilm and the Law, *P. Vaiana,* Vol. 15, N12:14

LEGAL STATUS
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20

An NMA White Paper: Microfilm and the Law, *P. Vaiana,* Vol. 15, N12:14

LIBRARIES
Book Review—Developing Microform Reading Facilities, by Richard W. Boss and Deborah Raikes, *H.W. Ballou,* Vol. 15, N10:52
A Few Cautionary Words about Electronic Publishing, *E. Gray,* Vol. 15, N10:37
Online COM Catalog to Revolutionize Library Service and Efficiency, *J.S. Chervinko,* Vol. 15, N12:30

MANAGEMENT ACCEPTANCE
How Records Management Policies Affect the Use of Micrographics Technology, *B.M. Burch,* Vol. 15, N10:47

MEDICINE
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M.A. Nottage,* Vol. 15, N9:30

MICROFICHE
Microfiche and Automated Indexing Applications for Regulatory Submissions to the Food and Drug Administration, *I.H. Gring,* Vol. 15, N6:28
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17

MICROPUBLISHING
Speak Out: *S. Milligan,* Vol. 15, N2:4

NAVY
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17

OFFICE OF THE FUTURE
An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *G.G. Baker,* Vol. 15, N8:36
Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *R.J. Kalthoff,* Vol. 15, N11:40
Frustration in the Workplace, Its Effect on Productivity, *Towers, Perrin, Forster,* and *Crosby,* Vol. 15, N3:17

ONLINE COMPUTER INTERFACE
Videomicrographics, A Positive New Trend in Online Information Retrieval, *D.M. Costigan* and *R.J. Burger,* Vol. 15, N4:16

OPERATIONAL PROCEDURES
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20

PERSONNEL TRAINING
Handicapped and Elderly Citizens are Educated in the Use of Microfilm, *D. Grimm,* Vol. 15, N1:30

POLYESTER FILM
Polyester Film, *R.M. Kimmel,* Vol. 15, N2:33

PRODUCTIVITY
American Work, Productivity and Hope for the Future, *M. Braude,* Vol. 15, N8:19
Automation Increases Productivity for Print and Drafting Room Operations, *S.J. Virnich,* Vol. 15, N11:30
Dollars and Sense: An Approach to Selling Cost-Effective Records Programs to Management, *D.F. Morgan,* Vol. 15, N7:31
Edison Looks to Micrographics to Increase Efficiency, *E. Mantel,* Vol. 15, N5:27
Frustration in the Workplace, Its Effect on Productivity, *Towers, Perrin, Forster* and *Crosby,* Vol. 15, N3:17
Increased Productivity Begins with Proper Document Preparation, *C.J. Anderson,* Vol. 15, N3:28
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47
Productivity and the Knowledge Worker, *T.E. Airhart,* Vol. 15 N8:24

PROCESSORS
Choosing Processors and Duplicators, *D.T. Bogue,* Vol. 15, N4:53

PUBLICATIONS
A Few Cautionary Words about Electronic Publishing, *E. Gray,* Vol. 15, N10:37

QUALITY CONTROL
Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27

READERS
Microform Reader System: A New Approach in Microform Reader Design, *L. Tanasescu,* Vol. 15, N1:27

RECORDS MANAGEMENT
Banking on Micrographics, *P.L. Andrade,* Vol. 15, N4:60
Book Review—Records Management, by Mina M. Johnson and Norman F. Kallaus, *T.V. Duncan,* Vol. 15, N10:52
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M.A. Nottage,* Vol. 15, N9:30
Dollars and Sense: An Approach to Selling Cost-Effective Records Programs to Management, *D.F. Morgan,* Vol. 15, N7:31
How Records Management Policies Affect the Use of Micrographics Technology, *B.M. Burch,* Vol. 15, N10:47
Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27
Micrographics and the Law, How Congress and the Courts Help Us, *R.C. Donaldson,* Vol. 15, N2:20
The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17
Project ELF: The 25% Solution to Business Expenses!, *ARMA,* Vol. 15, N12:18
Records Management in 1990: One Expert's Predictions, *J.W. Shepard,* Vol. 15, N5:36

RELATED TECHNOLOGY
Book Review—The Automated Office: An Introduction to the Technology, by William Saffady, *P. Horowitz,* Vol. 15, N3:12
Records Management in 1990: One Expert's Predictions, *J.W. Shepard,* Vol. 15, N5:36

RESEARCH
New Tax Benefits for Micrographics Research and Development, *R. Feinschreiber,* Vol. 15, N2:32

RETAILING
Pay 'n Save Improves Productivity With Microfilm, *N. Sudderth,* Vol. 15, N4:47

RETRIEVAL
Developments in Optical Disk Technology and the Implications for Information Storage and Retrieval, *R. Barrett,* Vol. 15, N1:22
Videomicrographics, A Positive New Trend in Online Information Retrieval, *D.M. Costigan* and *R.J. Burger,* Vol. 15, N4:16

SERVICE BUREAUS
Advantages of a Micrographics Service Bureau for Engineering Documents, *J.X. Doherty,* Vol. 15, N11:38

SOURCE DOCUMENTS
Computer-Indexed Source Documents: Automated Titling and Job Control, *D.M. Kudla, H.S. Corey* and *M. A. Nottage,* Vol. 15, N9:30
Increased Productivity Begins with Proper Document Preparation, *C.J. Anderson,* Vol. 15, N3:28

STANDARDS

An NMA White Paper: Microfilm and the Law, *P. Vaiana,* Vol. 15, N12:14

Standards Report: COM Moves Into Computer Rooms as More Systems Use Dry Technology, Archival Questions are Resolved, *S.R. Trippe,* Vol. 15, N8:34

Standards Report: Report of the Ottawa Meetings of ISO/TC171 Micrographics, *H.J. Fromm,* Vol. 15, N9:36

STORAGE

Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36

Developments in Optical Disk Technology and the Implications for Information Storage and Retrieval, *R. Barrett,* Vol. 15, N1:22

Materials for Optical Storage: A State-of-the-Art Survey, *H. Brody,* Vol. 15, N1:33

Select an Information Storage System Compatible with Future Technologies, *D.R. Neary,* Vol. 15, N9:15

Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20

Technology Overview: Raster Image Telecommunication, *G.O. Walter,* Vol. 15, N5:30

Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22

Video Disc for the Storage of Office Documents and Engineering Graphics, *G.O. Walter,* Vol. 15, N1:12

SYSTEMS ANALYSIS

Cost-Justifying Micrographics Systems, *J.R. Spencer,* Vol. 15, N7:35

Designing Micrographics Systems in Bahrain, *F. Klunder,* Vol. 15, N6:33

How Records Management Policies Affect the Use of Micrographics Technology, *B.M. Burch,* Vol. 15, N10:47

Illinois Economics and Micrographics, *J.L. Wassell,* Vol. 15, N7:14

Microfilm Quality, An Economical User Approach, *B.F. Griffiths,* Vol. 15, N2:27

Microform Reader System: A New Approach in Microform Reader Design, *L. Tanasescu,* Vol. 15, N1:27

The Navy's Microfiche Image Transmission System (MITS): Demonstration and Test, *W.L. Hopkins,* Vol. 15, N10:17

Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

U.S. Army Advanced Micrographic Access and Retrieval System (AMARS), *K.L. Wilkins,* Vol. 15, N3:22

Videomicrographics, A Positive New Trend in Online Information Retrieval, *D.M. Costigan* and *R.J. Burger,* Vol. 15, N4:16

When to go Inhouse with COM, *R.A. Ocon,* Vol. 15, N4:30

TAX BENEFITS

Micrographics Exports Yield Substantial Tax Savings, *R. Feinschreiber,* Vol. 15, N10:44

New Tax Benefits for Micrographics Research and Development, *R. Feinschreiber,* Vol. 15, N2:32

TECHNOLOGY

Book Review—The Automated Office: An Introduction to the Technology, by William Saffady, *P. Horowitz,* Vol. 15, N3:12

Productivity and the Knowledge Worker, *T.E. Airhart,* Vol. 15, N8:24

TELECOMMUNICATION

Technology Overview: Raster Image Telecommunication, *G.O. Walter,* Vol. 15, N5:30

TRENDS

Advanced Micrographics Helps Put Army Readiness Command at Peak, *H. Harpster,* Vol. 15, N11:36

American Work, Productivity and Hope for the Future, *M. Braude,* Vol. 15, N8:19

An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12

Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *G.G. Baker,* Vol. 15, N8:36

Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *R.J. Kalthoff,* Vol. 15, N11:40

COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N9:23

COM in a Distributed Data Processing Network, *J.F. Miller,* Vol. 15, N12:24

Electronic Visuals: An Exploding Technology, *J. Kissner,* Vol. 15, N5:23

A Few Cautionary Words about Electronic Publishing, *E. Gray,* Vol. 15, N10:37

A New Dimension for the 35-mm Aperture Card, *J.L. Symon,* Vol. 15, N11:20

Records Management in 1990: One Expert's Predictions, *J.W. Shepard,* Vol. 15, N5:36

Select an Information Storage System Compatible with Future Technologies, *D.R. Neary,* Vol. 15, N9:15

Technology Overview: Raster Image Telecommunication, *G.O. Walter,* Vol. 15, N5:30

Technology Overview: Redundancy Reduction and Data Compaction Technology in Microform Image Transmission Systems, *G.O. Walter,* Vol. 15, N10:25

Whither the NMA in the '80s?, *W.J. McGlone,* Vol. 15, N8:16

USER REQUIREMENTS

Productivity and the Knowledge Worker, *T.E. Airhart,* Vol. 15, N8:24

UTILITIES

Edison Looks to Micrographics to Increase Efficiency, *E. Mantel,* Vol. 15, N5:27

VIDEO DISK

An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12

Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *G.G. Baker,* Vol. 15, N8:36

Book Review—Video Disks in the Automated Office?, by Dr. Gerry Walter, *R.J. Kalthoff,* Vol. 15, N11:40

Developments in Optical Disk Technology and the Implications for Information Storage and Retrieval, *R. Barrett,* Vol. 15, N1:22

Materials for Optical Storage: A State-of-the-Art Survey, *H. Brody,* Vol. 15, N1:33

Speak Out: Laser Disk: its influence upon the future of COM, *D.T. Bogue,* Vol. 15, N1:10

Storage and Retrieval of Planetary Photographic Images by Laser/Video Disk Technology, *M. Fisher,* Vol. 15, N9:20

Video Disc for the Storage of Office Documents and Engineering Graphics, *G.O. Walter,* Vol. 15, N1:12

Videomicrographics, A Positive New Trend in Online Information Retrieval, *D.M. Costigan* and *R.J. Burger,* Vol. 15, N4:16

WORD PROCESSING

An Assessment of Micrographics in Advanced Office Information Technologies, *H.C. Frey,* Vol. 15, N2:12

Speak Out: Micrographics and Word Processing, *A.S. Linden,* Vol. 15, N6:14

Word Processing-Output Microform: After COM, Can Word Processor/Micro-/Mini-Computer-Output Microform Take Off?, *Z. Merali,* Vol. 15, N6:18